

What is claimed is:

1. A zoom lens barrel assembly for a camera, comprising:

a plurality of lens barrels for performing a zooming and focusing operation while reciprocating in a direction of an optical axis;

a rotational barrel coupled with one of the plurality of lens barrels and configured to rotate and move in the direction of the optical axis for adjusting the focus of the zoom lens barrel assembly; and

a lens frame comprising a lens and rotatably coupled with the rotational barrel for adjusting a resolution power of the lens barrel assembly.

2. The zoom lens barrel assembly of claim 1, further comprising a lens guide ring for adjustably attaching the rotational barrel and the lens frame thereto.

3. The zoom lens barrel assembly of claim 2, wherein the lens guide ring includes an inner circumferential screw and the rotational barrel includes an outer circumferential screw for attachment of the rotational barrel to the lens guide ring.

4. The zoom lens barrel assembly of claim 3, wherein the screws of the lens guide ring and the rotational barrel are further usable for the adjustment of the focus of the zoom lens barrel assembly by rotating and moving the rotational barrel relative to the lens guide ring.

5. The zoom lens barrel assembly of claim 4, wherein the rotational barrel includes an adjusting groove for facilitating the rotation of the rotational barrel relative to the lens guide ring.

6. The zoom lens barrel assembly of claim 3, wherein the rotational barrel and the lens frame respectively comprise a plurality of guide projections for

guiding rotation of the lens frame relative to the rotational barrel for the adjustment of the resolution power of the zoom lens barrel assembly.

7. The zoom lens barrel assembly of claim 6, wherein the lens frame includes an adjusting groove for facilitating the rotation of the lens frame relative to the rotational barrel.

8. The zoom lens barrel assembly of claim 6, further including a fixing plate coupled with the rotational barrel and the lens frame for preventing the lens frame from removing from the rotational barrel.

9. A zoom camera having a lens barrel assembly, the lens barrel assembly of the camera comprising:

a plurality of lens barrels reciprocating in a direction of an optical axis for a zooming operation of the camera via a driving source of the camera;

a lens guide ring coupled to one of the lens barrels and movable in the direction of the optical axis, the lens guide ring including a circumferential screw at an inner circumference of the lens guide ring;

a rotational barrel including at an outer circumference a corresponding screw engaged with the screw of the lens guide ring for moving the rotational barrel in the direction of the optical axis by rotating the rotational barrel to adjust the focus of the camera, the rotational barrel including a rotation guide formed at an inner circumference thereof; and

a lens frame comprising a lens, the lens frame coupled with the rotation guide of the rotational barrel and rotatable relative to the rotational barrel to adjust a resolution power of the camera.

10. The zoom camera of claim 9, further comprising a fixing plate coupled to the rotational barrel and the lens frame for preventing the lens frame from removing from the rotational barrel.

11. The zoom camera of claim 9, wherein the rotational barrel includes a focus adjusting groove for facilitating the rotation of the rotational barrel for moving the rotational barrel in the direction of the optical axis to adjust the focus.
12. The zoom camera of claim 9, wherein the lens frame includes a resolution power adjusting groove for facilitating the rotation of the lens frame for moving the lens frame in the direction of the optical axis to adjust the resolution power.
13. The zoom camera of claim 9, wherein the zoom camera is a film type camera.
14. The zoom camera of claim 9, wherein the zoom camera is a digital camera.
15. A zoom camera having a lens barrel assembly, the lens barrel assembly of the camera comprising:
  - a plurality of lens barrels reciprocating in a direction of an optical axis for a zooming operation of the camera via a driving source of the camera;
  - a lens guide ring coupled to one of the lens barrels and movable in the direction of the optical axis, the lens guide ring including a circumferential screw at an inner circumference thereof;
  - a rotational barrel including at an outer circumference a corresponding screw engaged with the screw of the lens guide ring for moving the rotational barrel in the direction of the optical axis by rotating the rotational barrel to adjust the focus of the camera, the rotational barrel including first and second guide projections at an inner circumference thereof; and
  - a lens frame comprising a lens, the lens frame including a third projection at an outer circumference thereof coupled with the first and second

guide projections of the rotational barrel for rotating the lens frame relative to the rotational barrel to adjust a resolution power of the camera.

16. The zoom camera of claim 15, further comprising a fixing plate coupled to the rotational barrel and the lens frame for preventing the lens frame from removing from the rotational barrel.

17. The zoom camera of claim 15, wherein the rotational barrel includes a focus adjusting groove for facilitating the rotation of the rotational barrel for moving the rotational barrel in the direction of the optical axis to adjust the focus.

18. The zoom camera of claim 15, wherein the lens frame includes a resolution power adjusting groove for facilitating the rotation of the lens frame for moving the lens frame in the direction of the optical axis to adjust the resolution power.

19. The zoom camera of claim 15, wherein the zoom camera is a film type camera.

20. The zoom camera of claim 15, wherein the zoom camera is a digital camera.

21. A method of adjusting the focus and a resolution power of a camera, comprising:

providing a lens barrel assembly including a rotational barrel and a lens frame having a lens, the rotational barrel and the lens frame coupled with each other;

rotating the rotational barrel for moving the rotational barrel in an optical axis of the lens barrel assembly to adjust the focus of the camera; and

rotating the lens frame relative to the rotational barrel to adjust the resolution power of the camera.

22. The method of claim 21, wherein the rotational barrel and the lens frame each include an adjusting groove, and rotation of the rotational barrel and the lens frame is performed by a tool inserted in the adjusting grooves.